

Yifan Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,251
citations

840119

11
h-index

752256

20
g-index

28
all docs

28
docs citations

28
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of human brain organoids with a functional vascular-like system. <i>Nature Methods</i> , 2019, 16, 1169-1175.	9.0	551
2	Integrated Single-Cell Atlas of Endothelial Cells of the Human Lung. <i>Circulation</i> , 2021, 144, 286-302.	1.6	181
3	Single-cell connectomic analysis of adult mammalian lungs. <i>Science Advances</i> , 2019, 5, eaaw3851.	4.7	156
4	Tissue-Engineered Vascular Grafts with Advanced Mechanical Strength from Human iPSCs. <i>Cell Stem Cell</i> , 2020, 26, 251-261.e8.	5.2	96
5	Improved expansion of human bone marrow-derived mesenchymal stem cells in microcarrier-based suspension culture. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 210-225.	1.3	78
6	Platform Effects on Regeneration by Pulmonary Basal Cells as Evaluated by Single-Cell RNA Sequencing. <i>Cell Reports</i> , 2020, 30, 4250-4265.e6.	2.9	33
7	Glycocalyx-Like Hydrogel Coatings for Small Diameter Vascular Grafts. <i>Advanced Functional Materials</i> , 2020, 30, 1908963.	7.8	33
8	Epac agonist improves barrier function in iPSC-derived endothelial colony forming cells for whole organ tissue engineering. <i>Biomaterials</i> , 2019, 200, 25-34.	5.7	22
9	Efficient Differentiation of Human Induced Pluripotent Stem Cells into Endothelial Cells under Xenogeneic-free Conditions for Vascular Tissue Engineering. <i>Acta Biomaterialia</i> , 2021, 119, 184-196.	4.1	22
10	Fas ligand and nitric oxide combination to control smooth muscle growth while sparing endothelium. <i>Biomaterials</i> , 2019, 212, 28-38.	5.7	14
11	Derivation of human peripheral blood derived endothelial progenitor cells and the role of osteopontin surface modification and eNOS transfection. <i>Biomaterials</i> , 2013, 34, 7292-7301.	5.7	13
12	Non-invasive and real-time measurement of microvascular barrier in intact lungs. <i>Biomaterials</i> , 2019, 217, 119313.	5.7	12
13	Electric-field assisted nucleation processes of croconic acid films. <i>CrystEngComm</i> , 2019, 21, 7460-7467.	1.3	9
14	Engineering blood outgrowth endothelial cells to optimize endothelial nitric oxide synthase and extracellular matrix production for coating of blood contacting surfaces. <i>Acta Biomaterialia</i> , 2020, 109, 109-120.	4.1	5
15	Differentiation of Murine Bone Marrow-Derived Smooth Muscle Progenitor Cells Is Regulated by PDGF-BB and Collagen. <i>PLoS ONE</i> , 2016, 11, e0156935.	1.1	5
16	Readily Available Tissue-Engineered Vascular Grafts Derived From Human Induced Pluripotent Stem Cells. <i>Circulation Research</i> , 2022, 130, 925-927.	2.0	5
17	A Pulmonary Vascular Model From Endothelialized Whole Organ Scaffolds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 760309.	2.0	4
18	Highly Oriented Organic Ferroelectric Films with Single-Crystal-Level Properties from Restrained Crystallization. <i>Crystal Growth and Design</i> , 2022, 22, 2124-2131.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Microvascular fluid flow in ex vivo and engineered lungs. Journal of Applied Physiology, 2021, 131, 1444-1459.	1.2	1
20	Vascularized Lung Tissue Engineering. , 2019, , 179-179.		1
21	Extracellular Matrix Differentially Regulates Endothelial Nitric Oxide Synthase Production in HUVECs and Human Blood Outgrowth Endothelial Progenitor Cells. FASEB Journal, 2015, 29, 143.1.	0.2	1
22	Abstract 14125: An in vitro Pulmonary Vascular Platform From Endothelialized Whole Lung Scaffolds. Circulation, 2020, 142, .	1.6	1
23	Enhanced Expression of Endothelial Nitric Oxide Synthase in Late Outgrowth Endothelial Progenitor Cells Using Non-Viral Minicircle Dna. Canadian Journal of Cardiology, 2013, 29, S355.	0.8	0
24	RHO-ASSOCIATED KINASE (ROCK) REGULATES ENDOTHELIAL NITRIC OXIDE SYNTHASE IN BLOOD OUTGROWTH ENDOTHELIAL CELLS. Canadian Journal of Cardiology, 2015, 31, S54.	0.8	0
25	Lung tissue engineering. , 2020, , 1273-1285.		0
26	Abstract 755: Fas Ligand- and Nitric Oxide-Releasing Stent. Circulation Research, 2019, 125, .	2.0	0